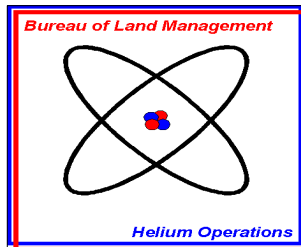


# Bureau of Land Management

## Amarillo Field Office Helium Operations



### Statistical Report for March - 2001



#### *Distribution:*

Fluid Minerals Group Manager, Washington Office  
New Mexico State Director  
Associate State Director  
Petroleum Engineer  
Field Manager, Amarillo Field Office  
Division Chiefs (3)  
Team Leaders  
-Federal Leased Lands  
-Gas Analysis  
-Resources Evaluation  
-Natural Gas Engineering

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Amarillo, Texas

Issued: April 20, 2001

**\*Tables include COMPANY PROPRIETARY INFORMATION (shaded) and is for internal use only.  
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Approved for distribution: Nelson R. Bullard /s/

Date: 04/16/2001

# Table 1 - Summary of Helium Operations

March - 2001

In Kind Sales	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind	Charges Billed (\$) **	
Total month	39,742	532	0	6,933	6,731	4,212	58,152	57,251	\$2,862,472	
Total FYTD	78,153	684	0	15,342	10,583	13,362	118,124	116,295	\$5,785,150	
Total CYTD	39,742	532	0	6,933	6,731	4,212	58,152	57,251	\$2,862,472	
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							1,012	110,281	59,026	592,273
Volume outstanding							57,428			

Purchased Helium	Helium-Gas Mixture	Month Helium Percent	Helium	Month Low Purity Helium	FYTD	Month Below 50% Helium	FYTD	FYTD	CYTD	Cumulative
Total purchased										32,176,145
Purchased helium produced / transferred			1,012					110,281	59,026	2,577,613
Balance of purchased helium in storage										29,598,532
Private Plant Activity										
Accepted in storage system	82,351	67.22%	55,359	1,052	6,266	(174)	(837)	335,111	163,889	6,241,697
Redelivered from storage system	(277,228)	69.01%	(191,309)	0	0	0	134	(1,055,465)	(550,970)	(6,471,008)
Total apparent crude produced^	206,078	69.30%	142,814					803,755	382,335	NA
Total apparent crude refined^	(345,315)	69.92%	(241,433)					(1,305,297)	(662,989)	NA

Storage Contract Activity	Metered Gas					Transferred Gas		Stored Helium	Charges Billed Dollars**	
	Gross Gas	Helium	Helium	Helium	Cumulative	Month	Cumulative	EOM	Month	FYTD
Crude Acquired	82,207	55,185	334,274	163,418	23,620,258	38,630	23,454,369			
Crude Disposed	277,228	191,309	1,055,331	550,931	18,296,958	37,618	22,861,827			
Grade-A Rdlvrd	0	0	0	0	1,427,554	0	0			
Net/Balance	(195,021)	(136,124)	(721,057)	(387,513)	3,895,746	1,012	592,542	3,794,442	\$214,719	\$1,009,350

Bush Dome Reservoir Operations	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
Conservation gases from all sources	Gross	Net	Gross	Net	Gross	Net	Gross	Net
In underground storage, beg. of period	46,383,772	33,468,040	47,205,898	34,063,522	490,620	490,620	0	0
Net Activity	(183,454)	(132,921)	(1,005,580)	(728,403)	45,709,698	32,844,499	46,200,318	33,335,119
Total in underground storage	46,200,318	33,335,119	46,200,318	33,335,119	46,200,318	33,335,119	46,200,318	33,335,119

Native Gas				
Total in place, beg. of period	208,952,427		208,993,854	265,724,755
Net Activity	(12,147)			
Total in place, end of month	208,940,280			

Native Gas plus Conservation Gases				
Total gases in place, beg. of period	255,336,199		256,199,752	266,215,375
Net Activity	(195,601)		(1,059,154)	(11,074,777)
Total gases in place, end of month	255,140,598		255,140,598	255,140,598

Helium Resources Evaluation			Month	FYTD
Revenue Collected from Federal Lease Holds			\$688,737	\$1,935,798
Helium Sample Collection Report	Submitted	27	Received	27
				Analyzed

Customer Comment Cards Mailed	Month	FYTD
	0	36

\* Volumes in Mcf at 14.7 psia & 70°F; all other volumes in 14.65 psia & 60°F

\*\*Rounded to nearest dollar

^ Other sources of helium are accessed but data are not available

**Table 5 - Pipeline & Cliffside Field Operations**
**March - 2001**
**All Volumes in Mcf at 14.65 psia & 60°F**

	1	2	3	4	5	6	7	8
	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<b>Conservation Pipeline</b>								
Beginning of period inventory (1)	38,342	26,839	17,409	12,186	0	0		
Measured to pipeline (2)	272,873	188,407	1,547,168	1,064,213	103,439,555	74,041,231		
Measured from pipeline (3)	277,228	191,310	1,545,490	1,055,471	37,715,350	27,053,660		
Measured into Bush Dome (4)	0	0	0	0	64,353,584	46,235,012		
Calculated inventory (1+2-3-4)	33,987	23,936	19,087	20,928	1,370,621	752,559		
End of period inventory	39,249	27,474	39,249	27,474	39,249	27,474		
Line gain or (loss)	5,262	3,538	20,162	6,546	(1,331,372)	(725,085)		
Percent gain (loss) of total measured	0.957%	0.932%	0.652%	0.309%	-0.648%	-0.492%		
<b>Bush Dome Reservoir Operations</b>								
<i>Conservation gases from all sources</i>								
In underground storage, beg. of period	46,383,772	33,468,040	47,205,898	34,063,522	490,620	490,620	0	0
Injected during period to date	0	0	0	0	64,353,855	46,234,973	64,961,755	46,842,873
Withdrawn during period to date	183,454	132,921	1,005,580	728,403	18,690,306	13,436,623	18,807,586	13,553,903
Helium from Exell-Soncy	0	0	0	0	46,149	46,149	46,149	46,149
Total in underground storage	46,200,318	33,335,119	46,200,318	33,335,119	46,200,318	33,335,119	46,200,318	33,335,119
<b>Native Gas</b>								
Total in place, beg. of period	208,952,427		208,993,854		265,724,755		318,727,000	
Recoverable in place, beg. of period	199,901,427		199,942,854		256,673,755		309,676,000	
Production during period to date	12,147		53,574		56,784,475		109,786,720	
Total in place, end of month	208,940,280		208,940,280		208,940,280		208,940,280	
Recoverable in place, end of month	199,889,280		199,889,280		199,889,280		199,889,280	
<b>Native Gas plus Conservation Gases</b>								
Total gases in place, beg. of period	255,336,199		256,199,752		266,215,375		318,727,000	
Total gases in place, end of month	255,140,598		255,140,598		255,140,598		255,140,598	
Change during period	(195,601)		(1,059,154)		(11,074,777)		(63,586,402)	
<b>Ave. reservoir pressure, beg. of period</b>	670.2		672.6		685.0		814.1	
<b>Tuck Trigg Reservoir Operations</b>								
<i>Native Gas</i>								
Total in place, beg. of period	5,222,021		5,231,108				5,890,000	
Recoverable in place, beg. of period	4,552,021		4,561,108				5,220,000	
Production during period to date	4,548		13,635				672,527	
Total in place, end of month	5,217,473		5,217,473				5,217,473	
Recoverable in place, end of month	4,547,473		4,547,473				4,547,473	
<b>Ave. reservoir pressure, beg. of period</b>	485.9		486.7				548.0	
<b>Natural Gas Sales</b>								
<i>Compressor Operation</i>								
March - 2001 NGI Mainline Spot Gas Fuel Price	per/MMBTU		\$4.96	----	----	----		----
Amount of Fuel used for the month	total MMBTU		2,936.96	7,815.31	----	----		7,815.32
Natural Gas Purchased for Fuel	\$dollars		----	----	\$14,567.31	\$51,165.33		51,165.33
Tuck Trigg Gas Produced	(Mcf)		0	0	----	----		0
Fuqua A-1 Gas Produced	(Mcf)		3,636	9,676	----	----		9,676
#1 Compressor	hours run		1,782	2,836				2,836